

Figure 1.

1	10	20	30	40	50	60	70	80
ATGGACAATT	CGCACGATTC	CGATAGTGTA	TTTCTTTACC	ACATTCCCTTG	TGACAACTGT	GGGAGTAGTG	ATGGGAACCTC	80
GCTGTTCTCT	GACGGACACA	CGTTCTGCTA	CGTATGCGAG	AAGTGGACTG	CTGGTAATGA	AGACACTAAA	GAGAGGGCTT	160
CAAAACGGAA	ACCCTCcGGc	GGaAAgCCc9	gGACTTACAA	CGTGTGGAAC	TTCGGGGAAT	CCAATGGACG	CTACTCCGCG	240
TTAACTGCGA	GAGGAATCTC	CAAGGAAACC	TGTCAGAAGG	CTGGCTACTG	GATTGCCAAA	GTAGACGGTG	TGATGTACCA	320
AGTGGGTGAC	TATCGGGACC	AGAACGGCAA	CATTGTGAGT	CAGAAGGTTT	GAGATAAAGA	TAAGAACTTT	AAGACCACTG	400
GTAGTCACAA	GAGTGACGCT	CTGTTCGGGA	AGCACTTGTG	GAATGGTGGT	AAGAAGATTG	TCGTTACAGA	AGGTGAAATC	480
GACATGCTTA	CCGTGATGGA	ACTTCAAGAC	TGTAAGTATC	CTGTAGTGTC	GTTGGGTGAC	GGTGCCTCTG	CCGCTAAGAA	560
GACATGCGCT	GCCAACCTAC	AATACTTTGA	CCAGTTCGAA	CAGATTATCT	TAATGTTTGA	TATGGACGAA	GCAGGGCGCA	640
AAGCAGTCGA	AGAGGCTGCA	CAGGTTCTAC	CTGCTGGTAA	GGTACGAGTG	GCAGTTCCTC	CGTGTAAAGG	TGCAAACGAG	720
TGTCACCTAA	ATGGTCAACG	CCGTGAAATC	ATGGAGCAAG	TGTGGAATGC	TGGTCCCTGG	ATTCTGTATG	GTGTGGTATC	800
GGCTCTTTTC	TTACGTGAAC	GAATCCGTGA	GCACCTATCG	TCCGAGGAAT	CAGTAGGTTT	ACTTTTCAGT	GGCTGCACTG	880
GTATCAACGA	TAAGACCTTA	GGTGCCCGTG	GTGGTGAAGT	CATTATGGTC	ACTTCCGGTT	CCGGTATGGG	TAAGTCAACG	960
TTGCTCCGTC	AACAAGCTCT	ACAATGGGGC	ACAGCGATGG	GCAAGAAGGT	AGGCTTAGCG	ATGCTTGAGG	AGTCCGTTGA	1040
GGAGACCGCT	GAGGACCTTA	TAGGTCTACA	CAACCGTGTC	CGACTGAGAC	AATCCGACTC	ACTAAACAGA	GAGATTATTG	1120
AGAACGGTAA	GTTTCGACAA	TGGTTCGATG	AACGTGTTCCG	CAACGATACG	TTCCATCTAT	ATGACTCATT	CGCCGAGGGCT	1200
GAGACGGATA	GACTGCTCGC	TAAGCTGGCC	TACATGCGCT	CAGGCTTGGG	CTGTGACGTA	ATCATTCTAG	ACCACATCTC	1280
AATCGTCGTA	TCCGCTTCTG	GTGAATCCGA	TGAGCGTAAG	ATGATTGACA	ACCTGATGAC	CAAGCTCAAA	CGCTTCGCTA	1360
AGTCAACTGG	GGTGGTGCTG	GTCGTAAATT	GTCACCTTAA	GAACCCAGAC	AAAGGTAAAG	CACATGAGGA	AGGTCCGCCC	1440
GTTTCTATTA	CTGACCTACG	TGGTTCGGCC	GCACCTACGCC	AACATATCTA	TACTATTATT	GCCCTTGAGC	GTAATCAGCA	1520
AGGCGATATG	CCTAACCTTG	TCCTCGTTCC	TATTCTCAAG	TGCCCCTTTA	CTGGTGATAC	TGCTATCCGT	GGCTACATGG	1600
AATACAACAA	GGAAACCGGA	TGGCTTGAAC	CATCAAGTTA	CTCAGGGGAA	GAAGAGTCAC	ACTCAGAGTC	AACAGACTGG	1680
TCCAACGACA	CTGACTTCTG	ACAGGATTCT	TGATCACTTT	CCAGACGACT	ACGAGAAGTT	TCCGTGGAGA	GTCCCATTTCT	1760
AATACGACTC	ACTAAAGGAG	ACACACCATG	TTCAAACCTGA	TTAAGAAGTT	AGGCCAACTC	CTGGTTTCGA	TGTACAACGT	1840
GGAAAGCCAAG	CGACTGAACG	ATGAGGCTCG	TAAAGAGGCC	ACACAGTCAC	CGCCTCTGGC	GATTGCGTCC	AAAACCTGGT	1920
TTGCGCTTAC	CCCAACCAAC	AGGGCATTTG	CTGCTTTCCA	TTGAGCCTGT	TTCTCTGCGC	GACGTTCCGG	CGCGCGTGTT	2000
TGTGCATCCA	TCTGGATTCT	CCTGTCAGTT	AGCTTTGGTG	GTGTGTGGCA	GTTCTAGTCC	TGAACGAAAA	CCCCCGCGGA	2080
TTGGCAGATT	GGCAGCTAAT	CCGGAATCGC	ACTTACCGCC	AATGCTTCGT	TTCTATACAC	ACACCCCAAA	GCCTTCTGCT	2160
TTGAATGCTG	CCCTTCTTCA	GGGCTTAATT	TTAAGAGCG	TCACCTTCAT	GGTGGTCAGT	CGCTCCTGCT	GATGTGCTCA	2240
GTATCACCGC	CAGTGGTATT	TATGTCAACA	CCGCCAGAGA	TAATTTATCA	CCGCAGATGG	TTATCTGTAT	GTTTTTTATA	2320
TGAATTTATT	TTTTGCAGGG	GGGCATTGTT	TGGTAGGTGA	GAGATCCGGC	TGCTAACAAA	GCCCCGAAAG	AAGCTGAGTT	2400
GGCTGCTGCC	ACCGCTGAGC	AATAACTAGC	ATAACCCCTT	GGGGCCTCTA	AACGGGTCTT	GAGGGGTTTT	TTGCTGAAAG	2480
GAGGAACATAT	ATCCGGATAT	CCCGCAAGAG	GCCCGCAGT	ACCGGCATAA	CCAAGCCTAT	GCCTACAGCA	TCCAGGGTGA	2560
CGGTCCCGAG	GATGACGATG	AGCGCATTGT	TAGATTTCAT	ACACGGTCCC	TGACTCGGTT	AGCAATTTAA	CTGTGATAAA	2640
CTACCGCATT	AAAGCTTGGG	GCCGCACTCG	ACGAACCCCTT	CGGATCTCGA	TCCCGCGAAA	TTAATACGAC	TCACTATAGG	2720
GAGACCACAA	CGGTTTCCCT	CTAGAAATAA	TTTGTTTTAA	CTTTAAGAAG	GAGATATACA	TATGCGTGAA	CGAATCCGTG	2800
AGCACCTATC	GTCCGAGGAA	TCAGTAGGTT	TACTTTTCAG	TGCTGCACT	GGTATCAACG	ATAAGACCTT	AGGTGCCCCG	2880
GCTGGTGAAG	TCATTATGCT	CACTTCCGGT	TCCGGTATGG	GTAAGTCAAC	GTTCTGCTCC	CAACAAGCTC	TACAATGGGG	2960
CACAGCGATG	GCCAAGAGG	TAGGCTTAGC	GATGCTTGAG	GAGTCCGTTG	AGGAGACCGC	TGAGGACCTT	ATAGGTCTAC	3040
ACAACCGTGT	CCGACTGAGA	CAATCCGACT	CACATAAGAG	AGAGATTATT	GAGAACGGTA	AGTTTCGACCA	ATGGTTTCAT	3120
GAACGTGTTG	GCAACGATAC	GTTCCATCTA	TAAGACTCAT	TCGCCGAGGC	TGAGACGGAT	AGACTGCTCG	CTAAGCTGCC	3200
CTACATGCGC	TCAGGCTTGG	GCTGTGACGT	AATCATTCTA	GACCACATCT	CAATCGTCCG	ATCCGCTTCT	GGTGAATCCG	3280
ATGAGCGTAA	GATGATTGAC	AACCTGATGA	CCAAGCTCAA	AGGGTTCCGT	AAGTCAACTG	GGGTGGTGCT	GCTCGTAATT	3360
TGTCACCTTA	AGAACCCAGA	CAAAAGGTAAA	GCACATGAGG	AAGGTGCCCC	CGTTTCTATT	ACTGACCTAC	GTGGTTCTGG	3440
CGCACTACGC	CAACTATCTG	ATACTATTAT	TGCCCCTTGAG	CGTAATCAGC	AAGGCCATAT	GCCTAACCTT	GTCTCGTTTC	3520

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GTATTCTCAA	GTGCGCTTT	ACTGGTGATA	CTGGTATCGC	TGGCTACATG	GAATACAACA	AGGAAACCGG	ATGGCTTGAA	3600
CCATCAAGTT	ACTCAGGGGA	AGAAGAGTCA	CACTCAGAGT	CAACAGACTG	GTCCAACGAC	ACTGACTTCT	GAGGATCCAC	3680
TAGTAACGGC	CGCCAGTGTG	CTGGAATTCT	GCAGATATCC	ATCAGACTGG	CGGCCGCTCG	AGCACCACCA	CCACCACCAC	3760
TGAGATCCGG	CTGCTAACAA	AGCCCGAAAG	GAAGCTGAGT	TGGCTGCTGC	CACCGCTGAG	CAATAACTAG	CATAACCCCT	3840
TGGGCGCTCT	AAACGGGTCT	TGAGGGGTTT	TTTGCTGAAA	GGAGGAATA	TATCCGGATT	GGCGAATGGG	ACGCGCCCTG	3920
TAGCGGCGCA	TTAAGCGCGG	CGCGTGCGT	CGTTACCGCG	AGCGTGACCG	CTACACTTGC	CAGCGCCCTA	CGCGCCGCTC	4000
CTTTCGCTTT	CTTCCCTTCC	TTTCTCGCCA	CGTTCCGCGG	CTTTCCTCGT	CAAGCTCTAA	ATCGGGGGCT	CCCTTTAGGG	4080
TTCCGATTTA	GTGCTTTACG	GCACCTCGAC	CCCAAAAAAC	TTGATTAGGG	TGATGGTTCA	CGTAGTGGGC	CATCGCCCTG	4160
ATAGACGGTT	TTTCGCCCTT	TGACGTTGGA	GTCCACGTTT	TTTAATAGTG	GACTCTTGTT	CCAAACTCGA	ACAACACTCA	4240
ACCCATATCT	GGTCTATTCT	TTTGATTTAT	AAGGGATTTT	GCCGATTTCC	GCCTATTGGT	TAAAAAATGA	GCTGATTTAA	4320
CAAAAAATTA	ACGCGAATTT	TAACAAAAATA	TTAACGTTTA	CAATTTTCAGG	TGGCACTTTT	CGGGGAAATG	TGCGCGGAAC	4400
CCCTATTTGT	TTATTTTCT	AAATACATTC	AAATATGTAT	CCGCTCATGA	ATTAATTTCT	AGAAAACTC	ATCGAGCATC	4480
AAATGAAACT	GCAATTTTAT	CATATCAGGA	TTATCAATAC	CATATTTTGG	AAAAAGCCGT	TTCTGTAAATG	AAGGAGAAAA	4560
CTCACCGAGG	CAGTTCCATA	GGATGGCAAG	ATCCTGGTAT	CGGTCTGCGA	TTCCGACTCG	TCCAACATCA	ATACAACCTA	4640
TTAATTTCCC	CTCGTCAAAA	ATAAGGTTAT	CAAGTGAGAA	ATCACCATGA	GTGACGACTG	AATCCGGTGA	GAATGGCAAA	4720
AGTTTATGCA	TTTCTTTTCA	GACTTGTTCA	ACAGGCCAGC	CATTACGCTC	GTCTCAAAA	TACTCGCAT	CAACCAAAAC	4800
GTTATTCAAT	CGTGATTGCG	CCTGAGCGAG	ACGAAATACG	CGATCGCTGT	TAAAAGGACA	ATTACAAACA	GGAAATCGAAT	4880
GCAACCGGCG	CAGGAACACT	GCCAGCGCAT	CAACAATATT	TTCACCTGAA	TCAGGATATT	CTTCTAATAC	CTGGAATGCT	4960
GTTTTCCCGG	GGATCCAGT	GGTGAGTAAC	CATGCATCAT	CAGGAGTACG	GATAAAATGC	TTGATGGTCG	GAAGAGGCAT	5040
AAATTCGGTC	AGCCAGTTTA	GTCTGACCAT	CTCATCTGTA	ACATCATTTG	CAACGCTACC	TTTGCCATGT	TTACAGAAACA	5120
ACTCTGGCGC	ATCGGGCTTC	CCATACAATC	GATAGATTGT	CGEACCTGAT	TGCCCGACAT	TATCGCGAGC	CCATTTATAC	5200
CCATATAAAI	CAGCATCCAT	GTGGGAAIIT	AAICGCGGGC	TAGAGCAAGA	CGIITCCCGT	TGAATATGGC	TCATAACACC	5280
CCTTGATTTA	CTGTTTATCT	AACGAGACAG	TTTTATTGTT	CATGACCAAA	ATCCCTTAAC	CTCACTTTTC	GTTCGACTGA	5360
GCGTCAGACC	CCGTAGAAAA	GATCAAAAGGA	TCTTCTTGAG	ATCCTTTTTT	TCTGCGCGTA	ATCTGCTGCT	TGCAAAACAA	5440
AAAACCACCG	CTACCAGCGG	TGGTTTGTTT	GCCGGATCAA	GAGCTACCAA	CTCTTTTTTC	GAAGGTAAC	GGCTTCAGCA	5520
GAGCGCAGAT	ACCAAACTAT	GTCTTCTTAG	TGTAGCCGTA	GTTAGGCCAC	CACTTCAAGA	ACTCTGTAGC	ACCGCCTACA	5600
TACCTCGCTC	TGCTAATCTT	GTTACCACTG	GCTGCTGCCA	GTGGCGATAA	GTCTGTCTTT	ACCGGGTTTG	ACTCAAGACG	5680
ATAGTTACCG	GATAAGCCGC	AGCGGTCCGG	CTGAACGGGG	GGTTCTGTGA	CACAGCCCGA	CTTGAGCGA	ACGACCTACA	5760
CCGAACCTGAG	ATACCTACAG	CGTGAGCTAT	GAGAAAGCGC	CACGCTTCCC	GAAGGAGAA	AGGCGGACAG	GTATCCGGTA	5840
AGCGGCAAGG	TCCGAACAGG	AGAGCGCAGC	AGGGAGCTTC	CAGGGGGAAA	CGCCTGGTAT	CTTTATAGTC	CTGTCGGGTT	5920
TGCGCACCTC	TGACTTGAGC	GTGATTTTTT	GTGATGCTCG	TCAGGGGGGC	GGAGCCTATG	GAAAAACGCC	AGCAACGCGG	6000
CCTTTTACG	GTTCCTGGCC	TTTTGCTGGC	CTTTTGCTCA	CATGTTCTTT	CCTGCGTTAT	CCCCGTATTG	TGTGGATAAC	6080
CGTATTACCG	CCTTTGAGTG	AGCTGATACC	GCTCGCCGCA	GCCGAACGAC	CGAGCGCAGC	GAGTCAGTGA	GCGAGGAAGC	6160
GGAAGAGCCG	CTGATCCGGT	ATTTCTCTCT	TACGCATCTC	TGCGGTATTT	CACACCGCAT	ATATGGTGCA	CTCTCAGTAC	6240
AATCTGCTCT	GATGCCCGAT	AGTTAAGCCA	GTATACATCT	CGCTATCGCT	ACGTGACTGG	GTCAATGGCTG	CGCCCGGACA	6320
CCCGCCAAAC	CCCGCTGACG	CGCCCTGACG	GGCTTGCTCT	CTCCCGGCA7	CCGCTTACAG	ACAAGCTGTG	ACCGTCTCCG	6400
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TGAAGCGATT	CACAGATGTC	TGCCGTGTCA	TCCGCGTCCA	GCTCGTTGAG	TTTCTCCAGA	AGCGTTAATG	TCTGGCTTCT	6560
GATAAAGCGG	GCCAATGTTAA	GGCGGGTTTT	TTCTGTTTTG	GTCACTGATG	CCTCCGTGTA	AGGGGGATTT	CTGTTTATGG	6640
GGGTAATGAT	ACCGATGAAA	CGAGAGAGGA	TGCTCACGAT	ACGGGTTACT	GATGATGAAC	ATGCCCGGTT	ACTGGAACGT	6720
TGTGAGGGTA	AACAACCTGGC	GGTATGGATG	CGGCGGGACC	AGAGAAAAAT	CACTCAGGGT	CAATGCCAGC	GCTTCGTTAA	6800
TACAGATGTA	GGTGTTCAC	AGGGTAGCCA	GCAGCATCCT	CGGATGCAGA	TCCGGAACAT	AAAGGTGCAG	GGCGCTGACT	6880
TCCGCGTTTT	CAGACTTTAC	GAAACACGGA	AACCGAAGAC	CATTATATGT	GTTGCTCAGG	TGCGAGACGT	TTTGACGACG	6960
CAGTCGCTTC	ACGTTCCGCTC	GCGTATCGGT	GATTCAATCT	GCTAACCACT	AAGGCAACCC	CGCCAGCCTA	GCCGGGTCTT	7040
CAACGACAGC	AGCACCATCA	TGCGCACCCG	TGGGGCCGCG	ATGCCGGCGA	TAATGGCCTG	CTTCTCGCGG	AAACGTTTGG	7120
TGGCGGGACC	AGTGACGAAG	GCTTGAGCGA	GGGCGTGCAA	GATTCCGAAT	ACCGCAAGCG	ACAGGCGGAT	CATCGTCCGG	7200
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AGTCATAAGT	GCGGCGACGA	TAGTCATGCC	CCGCGCCCCC	CGGAAGGAGC	TGACTGGGTT	GAAGGCTCTC	AAGGGCATCG	7360
CTCGAGATCC	CGGTGCTTAA	TGAGTGAGCT	AACTTACAT	AATTGCGTTG	CGCTCACTGC	CCGCTTTCCA	GTGCGGAAAC	7440
CTGTCTGTCC	AGCTGCATTA	ATGAATCGGC	CAACGCGCGG	GGAGAGGCGC	TTTGCGTATT	GGGCGCCACG	GTGGTTTTTC	7520
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GTTTGCCCCA	GCAGGCGAAA	ATCCTGTTTT	ATGGTGGTTA	ACGGCGGGAT	ATAACATGAG	CTGTCTTCGG	TATCGTCCGA	7680
TCCCACTACC	GAGATATCCG	CACCAACGCG	CAGCCCGGAC	TGGTAATGG	CGCGCATTCG	CCCCAGCGCC	ATCTGATCGT	7760
TGGCAACCA	CATCGCAGTG	GGAACGATGC	CCTCAATCAC	CATTTCATG	GTTTCTTGAA	AACCGGACAT	GGCACTCCAG	7840

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TCGCCTTCCC	GTTCCGCTAT	CGGCTGAATT	TGATTGCGAG	TGAGATATTT	ATGCCAGCCA	GCCAGACGCA	GACGCGCCGA	7920
GACAGAACTT	AATGGGCCCC	CTAACAGCGC	GATTTGCTGG	TOACCCAATG	CGACCAGATG	CTCCACGCCC	AGTCGCGTAC	8000
CGTCTTCATG	GGAGAAAATA	ATACTGTTGA	TGGGTGTCTG	GTCAGAGACA	TCAAGAAAATA	ACGCCGGAAC	ATTAGTGCA	8090
GCAGCTTCCA	CAGCAATGGC	ATCCTGGTCA	TCCAGCGGAT	AGTTAATGAT	CAGCCCACTG	ACGCGTTGCG	CGAGAAGATT	8160
GTGCACCGCC	GCTTTACAGG	CTTCGACGCC	GCTTCGTTCT	ACCATCGACA	CCACCACGCT	GGCACCCAGT	TGATCGGCGC	8240
GAGATTTAAT	CGCCCGGACA	ATTTGCOACG	GCGCGTGCA	GGCCAGACTG	GAGGTGGCAA	CGCCAATCAG	CAACGACTGT	8320
TTGCCCGCCA	GTTGTTGTGC	CACGCGGTTG	GGAATGTAAT	TCAGCTCCGC	CATCGCCGCT	TCCACTTTTT	CCCGCGTTTT	8400
CGCAGAAACG	TGGCTGGCCT	GGTTCACCAC	GCGGGAACG	GTCTGATAAG	AGACACCGGC	ATACTCTGCG	ACATCGTATA	8480
ACGTTACTGG	TTTCACATTC	ACCACCCTGA	ATTGACTCTC	TTCCGGGCGC	TATCATGCCA	TACCGCGAAA	GGTTTTCGCG	8560
CATTGATGG	TGTCCGGGAT	CTCGACGCTC	TCCCTTATGC	GACTCCTGCA	TTAGGAAGCA	GCCCAGTAGT	AGGTTGAGGC	8640
CGTTGAGCAC	CGCCGCGGCA	AGGAATGGTC	CATCCAAGCA	GATGGCGCCC	AACAGTCCCC	CGGCCACGGG	GCCTGCCACC	8720
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GCCAGCAACC	GCACCTGTGG	CGCCCGTGAT	GCCCGGCCACG	ATGCGTCCGG	CGTAGAGGAT	CGAGATCTCG	ATCCCGCGAA	8880
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AGATATACAT								8970

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